

1. An apparatus to provide improved blood circulation in a mammal, the apparatus comprising:

a first portion adapted to interact with the left ventricle of a heart, and

a second portion adapted to interact with a blood bearing structure, said second portion being operatively connected with said first portion so that said second portion will cause contraction of said blood bearing structure to assist in driving blood circulation.

2. The apparatus of claim 1, wherein said second portion is adapted to at least partially surround an the aorta of the circulatory system.

3. The apparatus of claim 1, wherein said first and second portions are tensile members.

4. The apparatus of claim 1, wherein said first and second portions are fluid filled loops in open to each other.

5. An apparatus to provide improved blood circulation in a mammal, said apparatus comprising:

first and second means for transferring force between at least a portion of the heart and the aorta, the pulmonary artery or an atrium of the heart.

6. The apparatus of claim 5, wherein said first means comprises an encircling member adapted to at least partially surround a portion of the left ventricle of a heart.

7. The apparatus of claim 5, wherein said first means comprises an pair of members adapted to be attached to portions of the left ventricle of a heart.
8. The apparatus of claim 5, wherein said first means comprises a fluid-filled loop adapted to surround at least a portion of the left ventricle of a heart.
9. The apparatus of claim 5, wherein said second means comprises an encircling member adapted to at least partially surround at least a portion of the aorta, the pulmonary artery or an atrium of the heart.
10. The apparatus of claim 5, wherein said second means comprises a fluid-filled loop adapted to surround at least a portion of the aorta, the pulmonary artery or an atrium of the heart.
11. A method of providing for improved blood circulation in a mammal, the method comprising:
  - providing an apparatus as in any of claims 1-9, and
  - positioning said apparatus about at least a portion of the heart and the aorta, the pulmonary artery or an atrium of the heart.
12. A method of improving blood circulation in a mammal, with an apparatus placed about at least a portion of the heart and the aorta, the pulmonary artery or an atrium of the heart, the method comprising:

actuating said portion of the heart, and  
transferring force from said portion of the heart to the aorta, the pulmonary artery  
or an atrium of the heart,  
thereby causing contraction of the same to assist in driving blood circulation.